

An 11-counter instrument for...

S/048/61/025/010/602/003
B104/B112

113, 234 (1959); Johansson B., Nucl. Instrum., 1, 274 (1957).

ASSOCIATION: Fiziko-tekhnicheskiy institut im. 4. F. Ioffe Akademii nauk SSSR (Physicotechnical Institute imeni A. F. Ioffe of the

Fig. 1. Block diagram of the instrument. Legend: (1) - (11) \$\frac{1}{2}\$Y-15 tuning and stabilizing block; (B diode matrix; (C) controlled Park (F) anti-coincidence circuit; (G) high-speed coincidence selector; (H) triple coincidence circuit; (I) single channel analyzers.

NPPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600015-6

27**892** \$/048/61/025/010/002/003 B104/B112

An 11-counter instrument for ...

circuits are connected to 5 rails. Each of them corresponds to a certain angle of divergence. The matrix block, the high-speed coincidence circuits, the block of controlled triggers, and the block of automatic tuning and stabilizing are discussed in detail. For amplitude and time selection of the pulses, two ordinary channel fast-slow coincidence circuits are used in the diode matrix. The instrument was tested with Se^{46} (892-1118 kev cascade) and Na^{22} sources (511 kev annihilation quanta-1270 kev transition). The results obtained with the Se^{46} source coincide with the theoretical curve. The experimental points obtained with the Na^{22} source lie on a straight line. The efficiency of the instrument described is 110 times higher than that of a two-counter instrument. A. V. Kulikov is mentioned. The authors thank G. S. Vil'dgrube for supplying 12 \$\frac{4}{9}y-13 (FEU-13) photomultipliers, and I. F. Bugakov for help with assembling. There are 7 figures and 6 references: 1 Soviet and 5 non-Soviet. The three most recent references to English language publications read as follows: Park, J., Scient. Instrum., 33, 257 (1956); Jacobson B. A., Henley E.M., Phys.Rev.

Card 2/4

21,6000

27892 S/048/61/025/010/002/003 B104/B112

X

AUTHORS:

Belyayevskiy, A. I., and Gur'yan, Yu. A.

TITLE:

An 11-counter instrument for yy-angular correlation

PERIODICAL: Akademiya nauk SSSR. Izvestiya. v. 25, no. 10, 1961, 1291 - 1301 Seriya fizicheskaya,

TEXT: By the 11-counter instrument described coincidence measurements in five angles (163°, 147°, 130°, 114°, 98°) may be carried out simultaneously. The coincidence of two Y-quanta emitted in a disintegration cascade is counted in an arbitrary combination of counters, and is recorded by a mechanical counter. 55 high-speed coincidence circuits and 22 single-channel analyzers are necessary for this purpose. The resolving time of the instrument is $\sim 4 \cdot 10^{-8}$ sec. In Fig. 1, a block diagram of the instrument is shown. The maximum amplitude of the pulses delivered to the diode matrix is 30-50 v. Therefore, the amplitude and time selection in the diode matrix is carried out without amplification. In the diode matrix, the outputs of the above mentioned 55 coincidence

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A Lesser-Pulse Selector

SOV/120-59-2-30/50

lesser input. Absence of distortion in the amplitude distribution is guaranteed by linear mixing in valves A_1 , A_2 , A_3 , and exact compensation of currents A_1 and A_2 , A_3 , and exact compensation of currents A_1 and A_2 , A_3 , and exact compensation of currents A_1 and A_2 , A_3 , and exact compensation of currents A_1 and A_2 , A_3 , and exact compensation of currents A_1 and A_2 , A_3 , and exact compensation of currents A_1 and A_2 , A_3 , and exact compensation of currents A_1 and A_2 , A_3 , and exact compensation in the amplitude distortion A_1 and A_2 , A_3 , and exact compensation in the amplitude distortion A_1 and A_2 , A_3 , and exact compensation in the amplitude distortion A_1 and A_2 , A_3 , and exact compensation in the amplitude distortion A_1 and A_2 , A_3 , and exact compensation in the amplitude distortion A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , A_3 , and exact compensation of currents A_1 , A_2 , A_3 , A_3 , A_4

Card 2/2

replaced by an alternative arrangement in which current compensation can be adjusted by varying the values of $R_{\rm i}$ and $C_{\rm i}$.

Ri and Ci. There are 2 figures and 3 references, of which 2 are Soviet and 1 is English.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN SSSR (Physico-

Technical Institute, Ac.Sc. USSR)

SUBMITTED: March 29, 1958

AUTHOR:

Belyayevskiy, A.I.

SOV/120-59-2-30/50

TITLE:

A Lesser-Pulse Selector (Selektor men'shego impul'sa)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 2,

pp 111 - 112 (USSR)

ABSTRACT: The circuit described may be used for studying cascade reactions in atomic nuclei, particularly in those cases where pulses are selected on an amplitude basis. arrangement combines the property of a linear gate controlled by one input pulse directly (that is without the ald of a trigger and delay line) with the properties of binary coincidence circuits. It has been pointed out in Ref 2 that the number of analysers required for selecting two spectral lines may be reduced from 18 to 10 by using a summing circuit or a greater-pulse selector; by combining these two circuits to form a lesser-pulse selector (1.p.s.) the number of analysers may be reduced to two. The basic features of an l.p.s. are shown in Fig 1 when there are two counters: the more general arrangement is that of Fig 2. greater pulse is applied at 1 in Fig 1, and the lesser

at 2, then a pulse appears which is proportional to the

Card 1/2

A Method of Measuring the γ-γ Angular Correlation.

instead of one; (2) measurements are carried out at 4 angles simultaneously; (3) the counters are sensitive to more than one γ line. There are 2 figures, 1 table and no references.

A630CIATION Physico-Technical Institute AS USSR (Fiziko-teknnicheskiy institut AK 333k)

SUBLITTED: December 24, 1956.

AVALIABLE: Library of Congress.

Cand 5/3 1. Counters-(Angular)-Correlation

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600015-6

A Method of Measuring the Y-Y Angular Correlation.

and/or equal the $\varepsilon(\theta)$ are similarly affected. A method is described whereby $\epsilon(\theta)$ is independent of variations in the e, . The general efficiency of the instrument increases, at the same time, by some tens of times compared with a single channel device. The multichannel instrument consists of fixed counters distributed round a circle and at angles of to each other. The number of the counters in $n = 350^{\circ}/\varphi$ and measurements are carried out at angles $\theta =$ = mo where m = 1,2,3 etc. The principle of the method is illustrated in Fig.1 showing 9 scintillation counters (ϕ = 40°, m = 1,2,3 and 4). As can be seen from this figure the number of double coincidences at θ = 40° is counted not by one pair of counters but by all such pairs. Similar considerations apply to the other angles 6 . Fig.1 is a simplified diagram. In fact 36 coincidence circuits were employed. It is shown that using this setup the efficiency of coincidence counting does not change by more than hundredths of a percent. Compared with the moveable counter instrument using a single channel the efficiency (in an example given in this paper) increases by a factor of 72. The apparatus has the following advantages: (1) the Card 2/3 coincidences at each angle are counted by 9 pairs of counters BELYAVEVSKIY, AT.

AUTHOR: Belyayevskiy, A:I.

There: A Helind of Abasiming the $\gamma-\gamma$ Angular Correlation. (Levod izmerentya $(\gamma-\gamma)-u$;lovey terrely about

Tildebicah: Pribory i Tekimika Tappardameta, 1997, in 5, 2.25-10, (USid)

And Track: To seasure $\gamma-\gamma$ an alkar corrected and the usually employs a single channel apparatus consisting of I counters measuring the number of coincidences $n_{\bf c}(\theta)$ as different uncles θ

between the γ quanta, the angle θ being determined by the angle between the case of the counters. The disadvanta of such a scheme is that the requires high stability, and studies of angular correlation of an atlived racioi are often impossible. If instead of a single charact incomment one uses a multichannel one, is which instead of a soviet counter one has a series of fixed count as at anything counter one has a series of fixed count as at anything then the efficiency of the coincidence selected $\varepsilon(\theta)$ is equal to e_1e_1 where e_1 and e_i are the efficiencies of the first and ith counters whose whose whose had nearly θ . It follows the bif the e_1 are all combands

3 17 1/9

GELYMYEVSKIY, IS.

GELYMAN, M.I.; BIRANIN, V.G.; HELYAYEVSKII, A.G.; ANDRETEV, A.I.;

HERMENOV, V.P.; PETROV, V.I.

On new technological processes. Der.prom.4 no.1:19-21 Ja*55.

1. Ust*-Izhorskiy fanernyy zavod.

(Ust*-Izhora--Plywood)

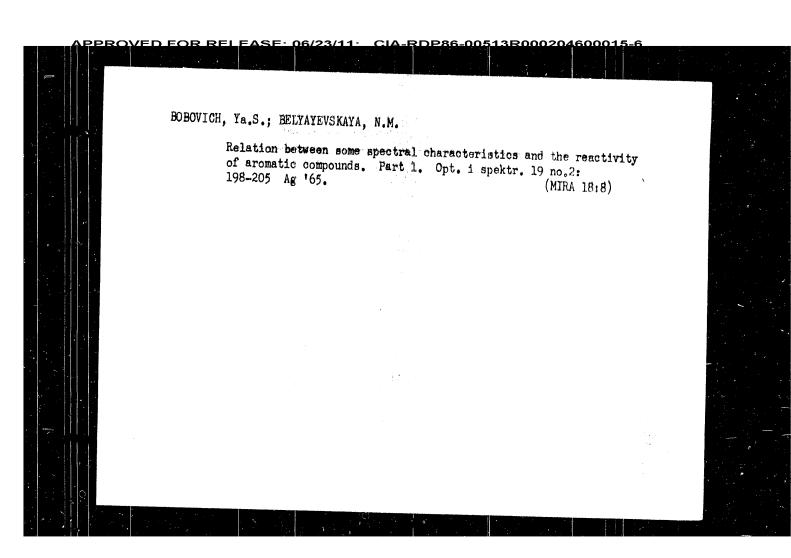
SOLOMIN, A.N., kand.med.nauk; BELYAYEVSKIY, A.D. (Rostor-na-Donu) Use of a prosthesis prepared from AKH-7 plastic for replacement of a complicated defect of the anterior parabasal sections of the skull. Vop. neirokhir. 28 no.6547 N-D 164. (MIRA 18:4) MELIK-PASHAYEV, V.S.; KOCHETOV, M.N.; KUZNETSOV, A.V.; DOLINA, L.P.;
Prinimali uchastiye: BELYAYEVSKIY, A.A.; LISUNGV, V.R.;
NEYMAN, V.Ye.; CHERNOGLAZOVA, T.Ye.; MANUNA, V.N.; ZEDANOV,
M.A., prof., red.; FERSHINA, Ye.G., ved. red.; YAKOVLEVA,
Z.I., tekhn. red.

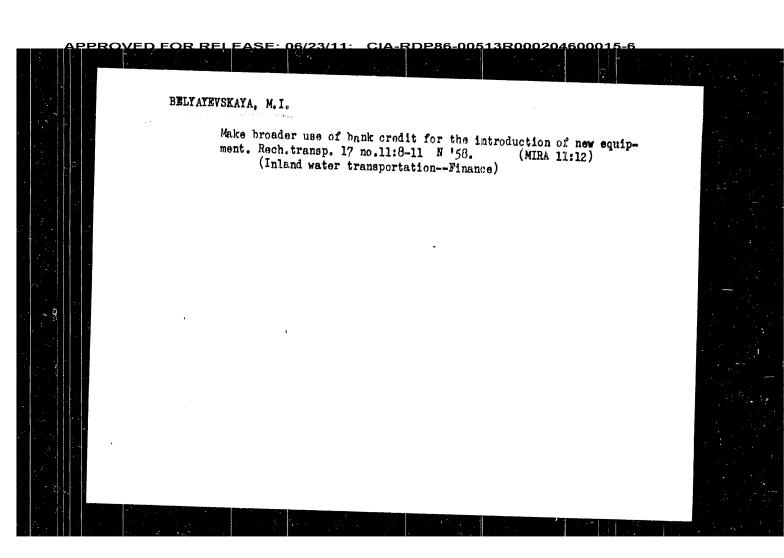
[Methods for determining the parameters of oil and gas pools
for appraising their reserves in platform-type fields using
the volumeteric method] Metodika opredelenita parametrov zalezhei nefti i gaza dlia podscheta zapasov ob*emnym metodom;
ma mestorozhdeninkh platformennogo tipa. [by] V.S. MelikFashaev i dr. Pod red.M.A.Zhdanova. Moskva, Gostoptekhizdat, 1963. 269 p.

(Oil reservoir engineering)

COUNTRY H CATEGORY : RZhKhim., No 17, 1959, No. 62965 ABS. JOUR. AUTHOR INSTITUTE TITLE ORIG. PUB. : initial boiling point; $166^{\circ} - 1\%$; $212^{\circ} - 5\%$; $245^{\circ} - 10\%$; $290^{\circ} - 20\%$; $305^{\circ} - 30\%$. It is possi-ABSTRACT Con'd ble to separate M into 2 fractions in vacuum: I fraction of \$350° boiling point and II fraction of 350 - 400° boiling point. M may be employed as a softener in the rubber mixtures instead of fuel oil or instead of oleic acid (up to 10% basis fuel pil) without impairing technological properties of the mixtures and physico-chemical property requirements of vulcanizing agents. As an agent promoting thermo-swelling in the manufacture of Card: 2/3 H - 138

COUNTRY : BULGARIA CATEGORY t Chemical Technology. Chemical Products and Their Applications. Caoutchouc. Natural and Synthetic* ABS. JOUR. : BZbKhim., No 17, 1959, No. 62965 AUTHOR : Germaious, M.; Belyerevahi, V.; Radoykov, A. INSTITUTE TITLE : A New Agent for Thermo-Swelling and A Softener for the Rubber Industry. : Ratsionslizatsiya (Bulg.), 1958, 8, No 10, 20-23 ORIG. PUB. ABSTRACT : A possibility of utilization of the oxidized oil (M) by-products, formed in the asphalt manufacture, in the rubber industry was investigated. This oxidized oil (M) has the following properties: $d_4^{20} = 0.9336$; n = 1.5108; kinematic viscosity at 200 = 134.25 Cst, at 500 = 23.71 Cst, at 1000 - 4.88 Cst; acid number - 7.58; iodine number - 42.6; flash point - 1630; coke number --0.5. Practional distillation by Engler: 1500 *Rubber. Card: 1/3





ACC NR: AP7002405

the high-temperature range it moves from the periphery toward the center; this is due to the inhibition of the gasification process by carbon monoxide. The reduction isodegree of reduction in fractions of unity, 7 the time, and K the rate constant of the an admixture of calcium chloride; the mechanism of action of this admixture is discussed. Orig. art. has: 8 figures, 2 tables and 4 formulas.

SUB CODE: 07/ SUEM DATE: 19Mar66/ ORIG REF: 019/ OTH REF: 007

ACC NRI AP7002405

SOURCE CODE! UR/0363/66/002/012/2204/2212

Zelikman, A. N.; Belyayevskaya, L. V.; Bobylev, V. M.

ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov) TITLE: Kinetics of reduction of calcium tungstate and molybdate and of their isomor-

AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 12, 1966, 2204-SOURCE: 2212

TOPIC TAGS: chemical reduction, calcium compound, tungstate, molybdate

ABSTRACT: The kinetics of reduction of CaWQu and CaMoQu with carbon were studied in nitrogen at 10001210 and 900-1210°C respectively; an isomorphous mixture of the two compounds was reduced at 1000-1210 °C. The reduction of these salts to tungsten and molybdenum was found to take place without intermediate formation of compounds of lower valences. From the values of activation energies of the reduction reactions it follows that up to 1110°C for CaWQ4 and CaWQ4 + CaMoQ4 and up to 1000°C for CaMoQ4, the rate-determining step of the process is the desorption of carbon monoxide from the carbon surface (E = 54-105 kcal/mole). In the high-temperature range, the reaction is determined by the first step of gasification (E = 22-33 kcal/mole). In the low-temper ature range, the reduction proceeds throughout the volume of the briquet, whereas in

546.41 276+546.26 UDC: 546.41 786+546.26

L 46889-66 ACC NR: AP6027194 molybdates which melt congruently. Orig. art. has: 1 figure and 1 table. SUB CODE: 07/ SUBM DATE: 07Jul65/ ORIG REF: 002/ OTH REF: 006

L 46889-66

EWT(m)/EWP(t)/ETI IJP(c) P6027194 (A, N) AP6027194

SOURCE CODE: UR/0078/66/011/008/1989/1991

AUTHOR: Kunev, D. K.; Belyayevskaya, L. V.; Zelikman, A. N.

ORG: none

TITLE: The systems MoO3-CaMoO4, MoO3-PoMoO4 and MoO3-ZnMoO4

SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 8, 1966, 1989-1991

TOPIC TAGS: molybdate, calcium compound, lead compound, zinc compound, phase diagram,

ABSTRACT: Thermographic and microscopic analyses were used to investigate the systems MoO3-CaMoO4, MoO3-PbMoO4 and MoO3-ZnMoO4. X-ray diffraction was also used to study the MoO3-CaMoO4 system. The heating and cooling curves were taken with a Kurnakov pyrometer with differential recording. The MoO3-CaMoO4 system has one eutectic at 25 wt. & CaMoO4 melting at 727±3 °C. The MoO3-PbMoO4 system has one eutectic at 49 wt. \$ PolioCy melting at 670°C. PbMoCy melts without decomposing at 1063°C. The MoO3-ZnMcCy system has one eutectic at 42 wt. % ZnMoO4 melting at 705°C. ZnMoO4 melts with decomposition via a peritectic reaction at 1000 °C. No acid molybdates were found in the systems studied. Some data on MoO3-MeMoO4 systems (where Me = Cu, Fe, Pb, Zn, Ca) are presented. All these systems are of eutectic type. Lead, iron and calcium molybdates melt without decomposing, whereas zine and copper molybdates melt with decomposition via a peritectic reaction and have lower heats of formation (from the oxides) than

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541.123.2:546.776

Investigation of the chlorination processes... 3/598/61/500/665/067/010

for separating the carbidos of other elements, and its composition (in %) was 46.08 Ti, 13.91 Mb, 0.70 Ta, 2.62 Si, 6.84 Crixed, 12.32 Cree, 5.76 N, 5.56 O, and 7.41 other elements. The constants of TiC chlorination rate were higher than of NbC, particularly at 800 C, and the chlorination rate of Ti-Nb carbide from logarite was close to the chlorination rate of gare TiC. The maximum necessary time for chlorination of carbide particles of different size at different temperatures has been determined. Chlorination of Ti-Nb carbide in the boiling layer was studied in a small labour tony furnace and in one of larger size, and proved feasible with the use of chlorine as well as chlorine with air. The TiCl, output rate from powder carbide in the boiling layer proved to be more than 10 times higher than in direct chlorination of oxides or concentrated one in mixture with carbon. The chlorination degree of Ti-Nb carbide in the boiling layer amounted to 97-99%. There are 10 figures.

Card 3/3

Investigation of the chlorination processes ... S/598/51/CCO/005/007/010

cented. Titanium carbide, and titanium and niobium nitrides chlorinated fastest of all compounds, starting to chlorinate at 200°C. Active reaction of No carbide with chlorine was observed at 400°C, and of silicon carbide from above 600°C. Chlorination of TiO at a perceptible rate started from 300°C. In the range 400-700°C, the TiO chlorination degree was 50%, which is explained by the reaction

 $2\text{TiO} + 2\text{Cl}_2 \longrightarrow \text{TiCl}_4 + \text{TiO}_2.$

In the presence of carbon, TiO chlorinated much faster than a minture of TiO, with carbon. Titanium carbide was prepared with lamp soot in a hydrogen atmosphere in a carbon-tube furnace at 2000°C, and niobium carbide in the page way at 1700-1800°C, and pressed into cakes with 110 kg/cm and 325 kg/cm pressure at 2150-2200°C and 2700-2750°C respectively. The chlorination of these carbides was accompanied by the formation of a graph-tite layer which did not affect the chlorination rate at 400°C but caused some inhibition at 600° and 800°C. Ti-Nb carbide was preduced by carbidization of loparite concentrate with subsequent washing in hydrochloric acid

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s/598/61/000/005/007/010 D040/D113

AUTHORS: Toyorbon, G.A., Zelikman, A.M., Belyayevskaya, L.V., Tseytina,

N.Ya., and Kirillova, G.F.

TITLE: Investigation of the chlorination processes of titanium and niobium carbides, complex titanium-niobium carbide, and some

other compounds

COURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yago splavy, no. 5, Moscow, 1961. Metallurgiya i khimiya titana, 107-138

TEXT: The authors studied the reactions of titanium carbides and nitrides, niobium, complex TE-Nb carbide, TiO and silicon carbide with chlorine in chlorination for obtaining TiOl. The experiments were conducted in view of the advantageous technological properties of titanium carbide and titanium carbonitride, the possible future use of the boiling layer for chlorinating them, and because precarbonisation of rutile and ilmenite is used in foreign titanium production practice. Generalized results of the studies are given and a detailed illustrated description of the experimental equipment pre-

Card 1/3

\$/137/62/000/005/026/150 A006/A101 Processing of titanium-niobium ... of Ti, Ni, Ta carbides) is chlorinated at $800\,^{\rm O}{\rm C}$ with subsequent separation of chlorides in condensers and cleaning by rectification. Results of investigations are presented. G. Svodtseva [Abstracter's note: Complete translation] Card 2/2

\$/137/62/000/005/026/150 A006/A101

AUTHORS:

Meyerson, G. A., Zelikman, A. N., Belyayevskaya, L. V., Tseytina, N. Ya., Kirillova, G. F.

TITLE:

Processing of titanium-niobium rare-earth complex raw material by carbidization and chlorination ${\bf r}$

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 13, abstract 5080 ("Sb. nauchn. tr. In-t tsvetn. met. im. M. I. Kalinina", 1960, v. 33, 175-185)

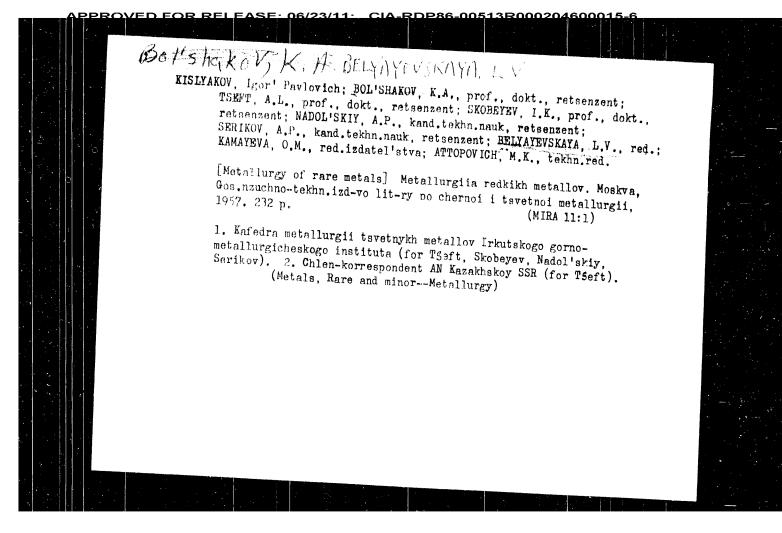
TEXT: The processing of Ti-Nb raw material by the method of carbidization and chlorination was conducted on a laboratory and enlarged scale. The method consists in heating a mixture of the concentrate with coal in an electric furnace at 1,800 - 1,900°C. The complex raw material elements are then transformed into carbides and divided into the following two groups according to their properties:

1) TiC, NbC. TaC, SiC - strong refractory compounds, and 2) carbides of rare earth elements Ca, Na, Al and Fe, dissolving in diluted acids. Processing of a carbidization product with 10% HCl makes it possible to separate all soluble elements from refractory carbides. The washed and dried residue (solid solution

Card 1/2

MEYERSON, G.A.; ZELIKMAN, A.N.; BELYAYEVSKAYA, L.V.; TSEYTINA, N.Ya.; KIRILLOVA, G.F. Studying conditions of the chlorination of titanium-niobium carbide. Izv. vys. ucheb. zav.; tsvet. met. 3 no.5:108-115 160. (MIRA 13:11) l. Krasnoyarskiy institut tsvetnykh metallov. Kafedra metallurgii redkikh metallov. (Titanium-niobium carbide) (Chlorination)

ABASHIN, Georgiy Ivanovich; POGOSYAN, Grigoriy Muradovich; KREYN, O.Ye., retsenzent; BELYAYEVSKAYA, L.V., retsenzent; SINYAKOV, A.F., retsenzent, red.; KAMAYEVA, O.M., red.izd-va; KARASEV, A.I., [Tungsten and molybdenum production processes] Tekhnologiia polucheniia vol'frama i molibdena. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po"chernoi i tavetnoi metallurgii, 1960. 259 p. (MIRA 13:10) (Tungsten--Metallurgy) (Molybdenum--Metallurgy)



Category: USSR / Physical Chemistry - Kinetics. Combustion.

Explosives. Topochemistry. Catalysis.

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30040

of the oxidic envelope of above 0.8 mm. The reaction is defined by the equation $x^n = kt$ (x is extent of oxidation, n varies from 1 to 2). At 400° a dense oxidic envelope is formed, the nature of the process is one of pure diffusion. A probable mechanism of oxidation of I is proposed, which is based on formation of intermediate compounds of the type of oxysulfides MoS₂O or MoSO .

B-9

Card : 2/2

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BELYHYEVSHAYA, L. V.

Category: USSR / Physical Chemistry - Kinetics. Combustion.

Explosives. Topochemistry. Catalysis.

B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30040

Author : Zelikman A. N., Belyayevskaya L. V.

Inst : not given

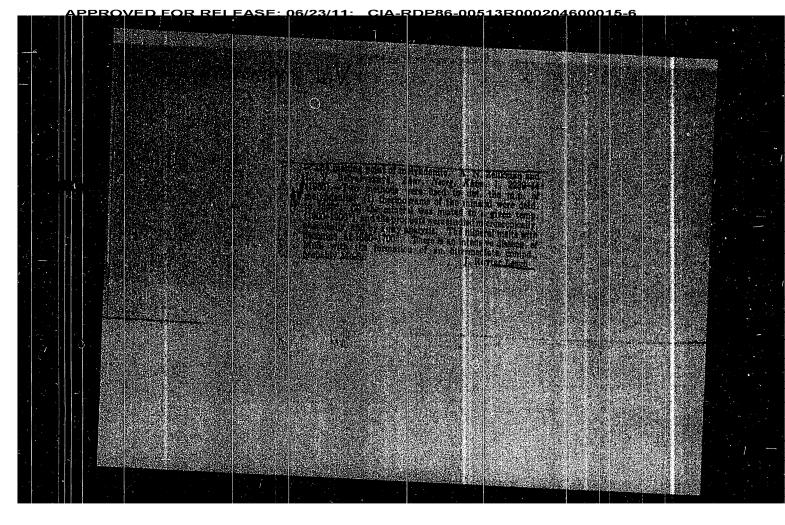
Title : Study of the Reaction of Oxidation of Molybdenite

Orig Pub: Zh. neorgan. khimii, 1956, 1, No 10, 2245-2256

Abstract: It is shown that at 400, 500 and 600° molybdenite (I) is exidized by exygen of the air, directly to MoO_3 (II). Intermediate interlayer of MoO_3 , which is observed only at 600° , is formed as a result of secondary interaction between I and II. Rate and regularities of the exidation of I, at different temperatures, depend on structure of exidic envelope. At 600° this envelope is friable, velocity of the process is determined by velocity of the chemical reaction, extent of exidation depends linearly upon duration, velocity constant K = 0.0085 mm/minute. At 500° , as exidation proceeds, there is observed a transition from kinetic conditions, over intermiate, to diffusion conditions, which are attained with a thickness

Card : 1/2

-15-



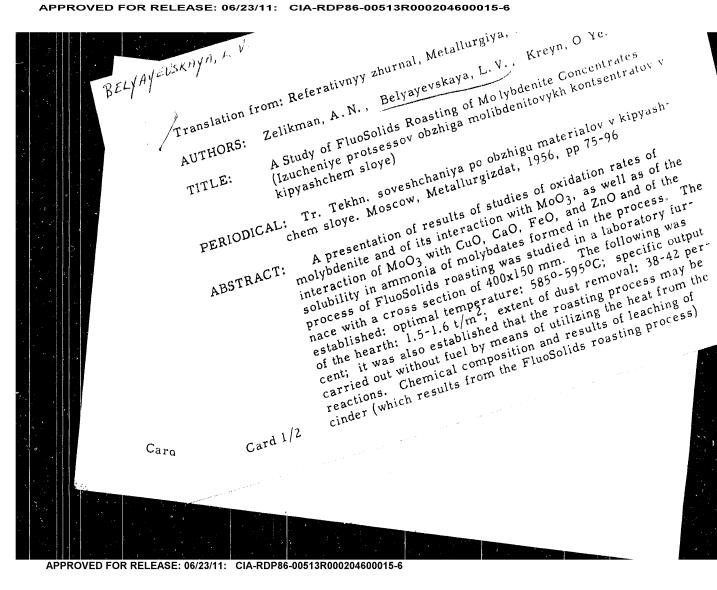
A Study of FluoSolids Roasting of Molybdenite Concentrates

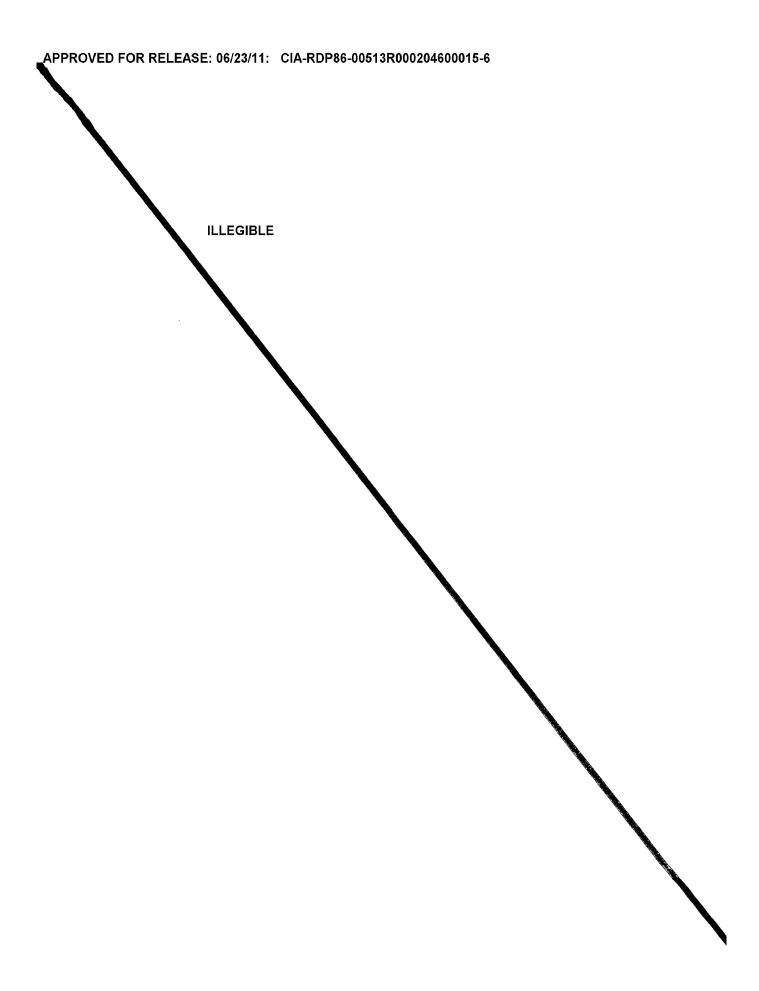
are shown, together with analogous information for an industrial roasting process carried out in a rotary furnace. Extraction of Mo from cinder, produced in the course of a process of FluoSolids roasting, is 92.0-93.5 percent as compared to the 79.0-79.5 percent achieved in the industrial process. The amounts of tailings from the two processes constitute 20-22 percent and 36-38 percent, respectively.

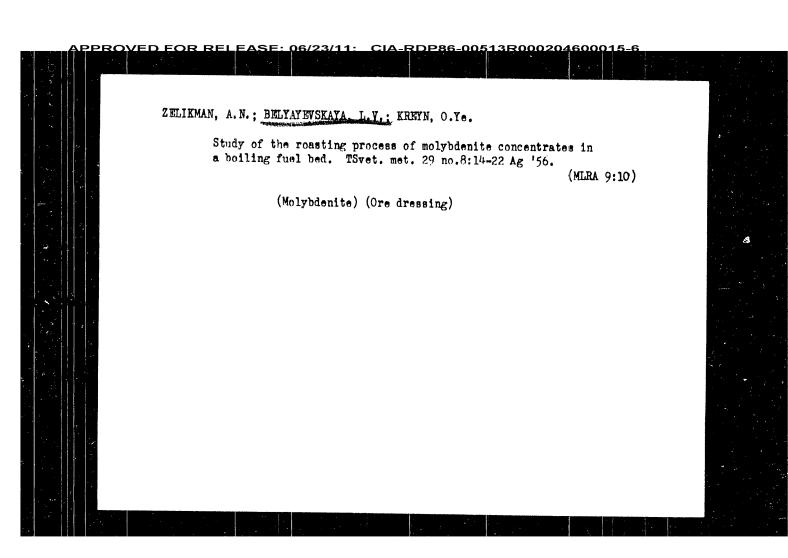
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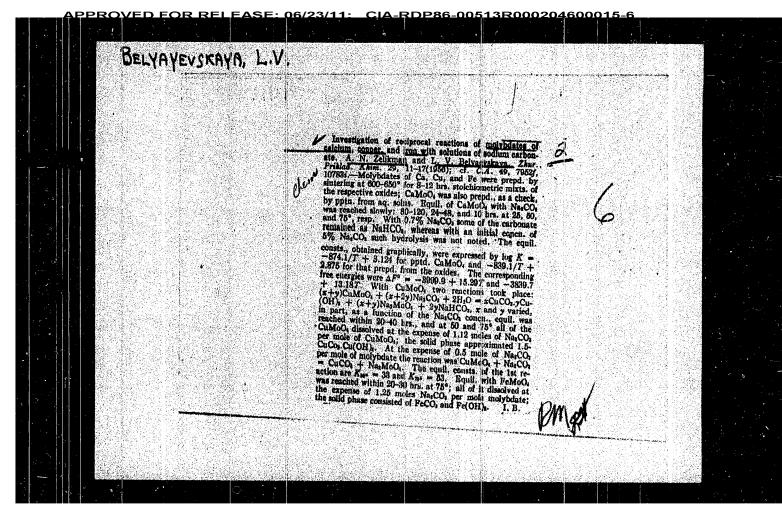
1. Molybdenum ores--Processing 2. Molybdenum ores--Properties

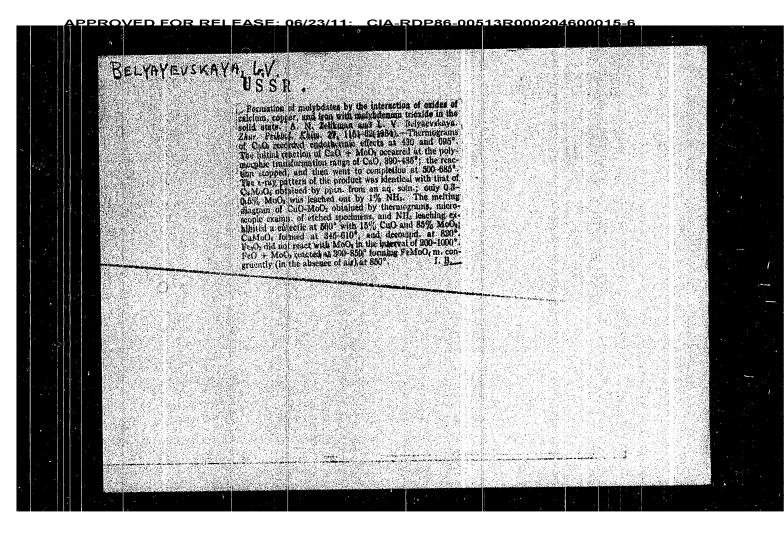
Card 2/2



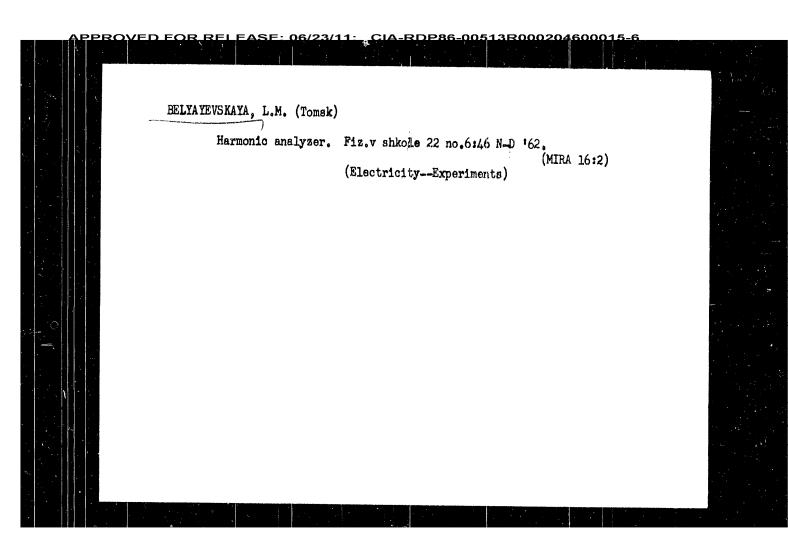


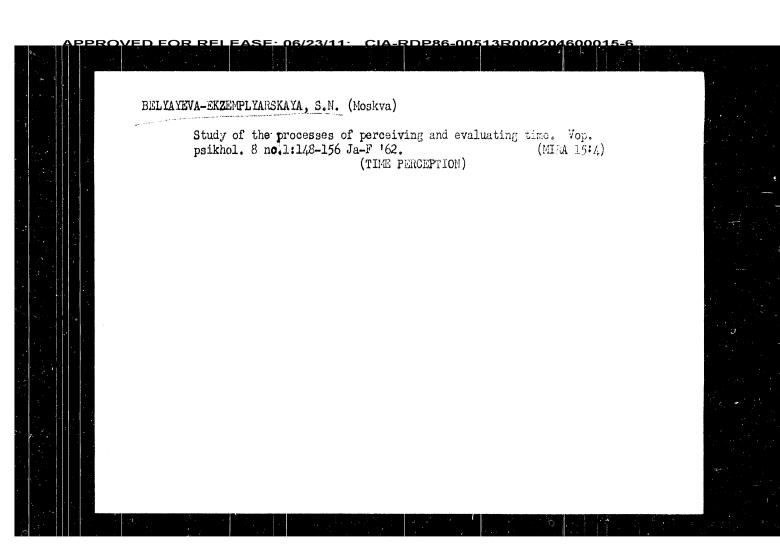


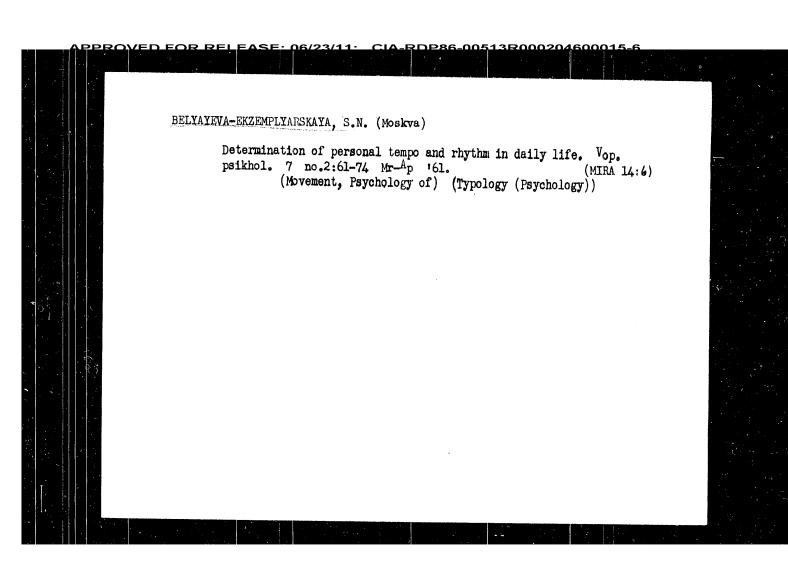


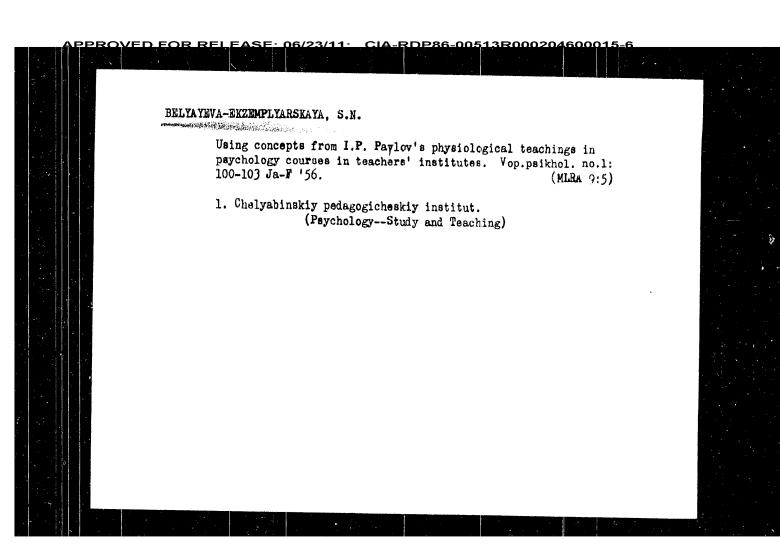


CIA-RDP86-00513R000204600015-6 BELYAYEVSKAYA, L.V., pomoshchnik sanitarnogo vracha Ways to increase the qualification of feldshers in republic and province sanitary-epidemiological stations. Fel'd. i akush. 28 no.1:36-37 Ja'63. (MIRA 16:7) 1. Iz Chuvashskoy respublikamskoy sanitarno-epidemiologicheskoy stantsii, Cheboksary, Chuvashakaya ASSR.
(MEDICAL PERSONNEL—STUDY AND TEACHING)

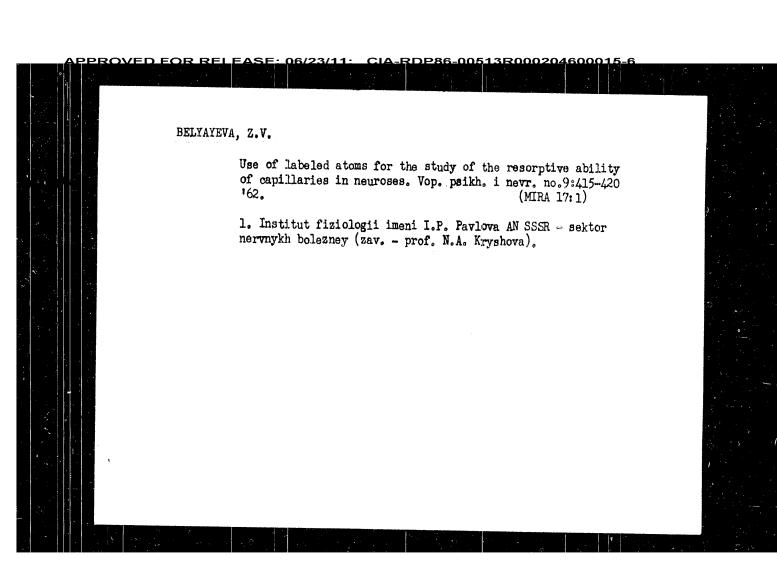


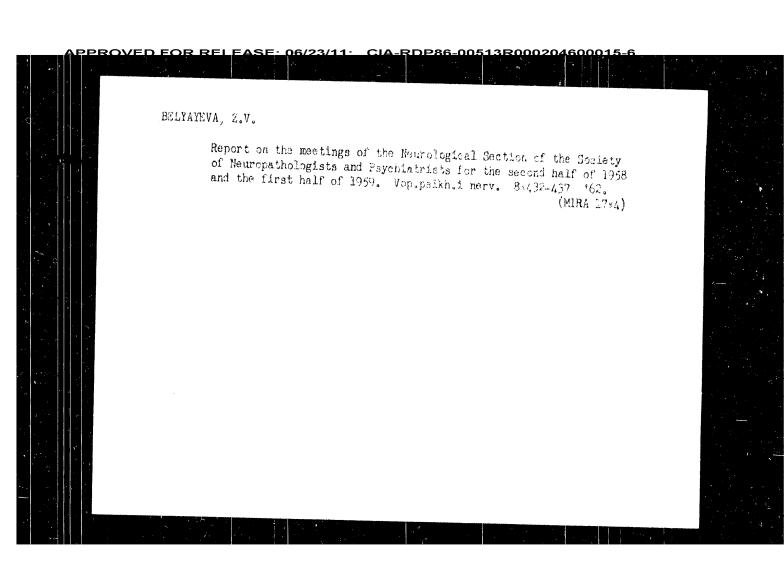


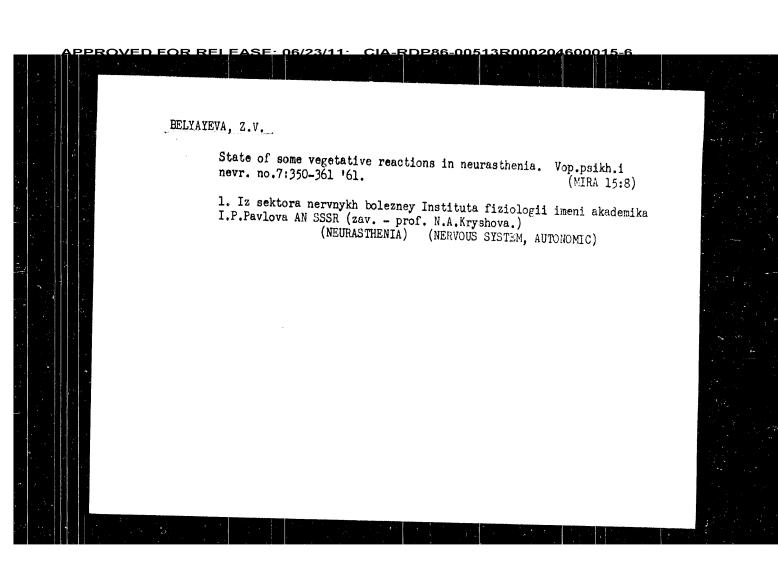


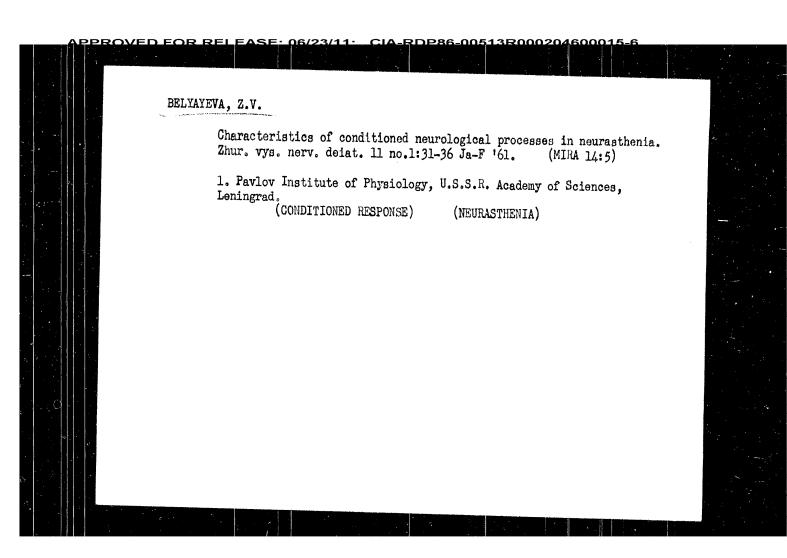


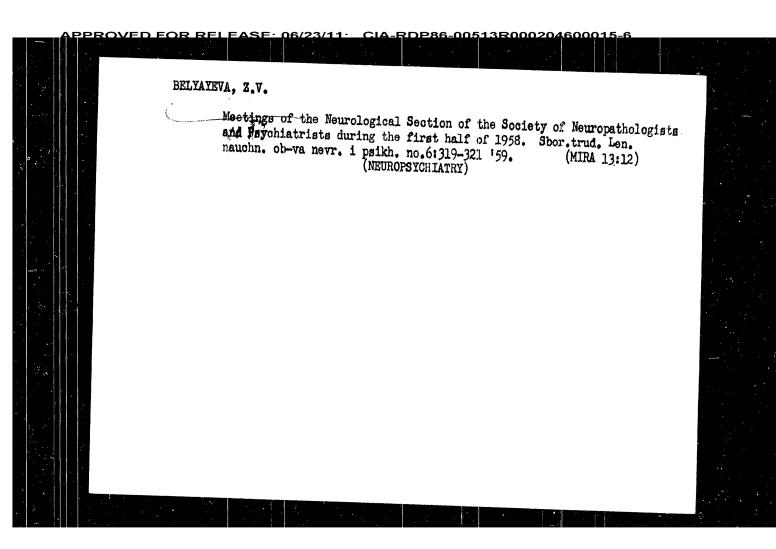
BELYAYEVA, Z. V.; ZHILINSKAYA, M. A. "Issledovaniye vyeshey nervnoy deyatel'nosti i nekotoryku vegetativlyku reaktsiy u bliznetsov." report submitted for 7th Intl Cong, Anthropological & ethnological Sciences, Moscow, 3-10 Aug 64.











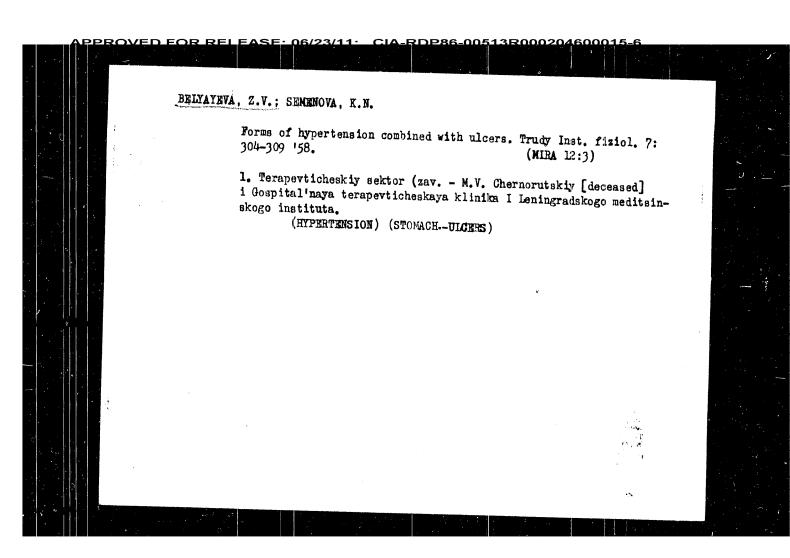
BELYAYEVA, Z.V. (Leningrad) Chemical factors of nervous excitation and their relation to autonomic disorders in peptic ulcer. Klin.med. 36 no.2:26-32 F 158. (MIRA 11:4) 1. Iz terapevticheskogo sektora (zav. - deystvitel'nyy chlen AMN SSSR prof. M.V. Chernorutskiy [deceased]) Instituta fiziologii imeni I.P.Pavlova AN SSSR (dir. - akad. K.M.Bykov) (PEPTIC ULCER, blood in acetylcholine in venous blood, relation to autonomic disord. (Rus)) (ACETYLCHOLINE, in blood in venous blood in peptic ulcer, relation to autonomic disord. (Rus)) (AUTONOMIC NERVOUS SYSTEM, in various dis. peptic ulcer, relation of disord. to acetylcholine level in venous blood (Rus))

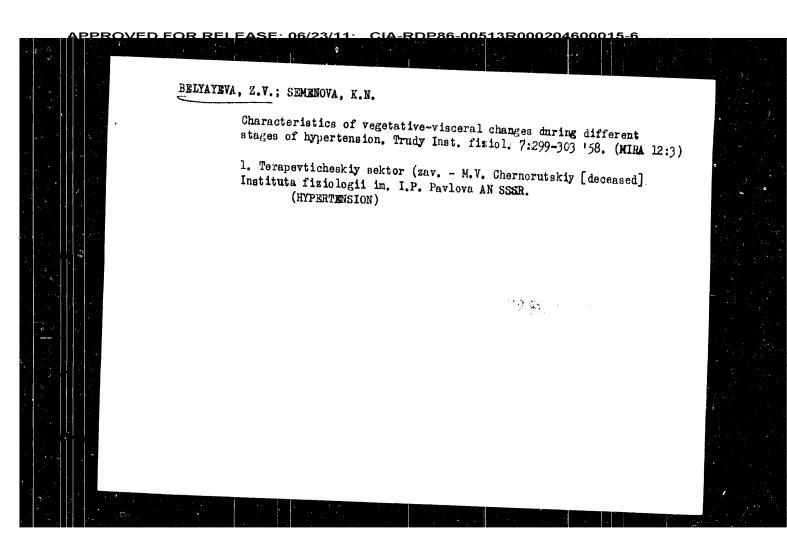
SEMENOVA, K.M.; EMINATEMA, Z.V. (Leningrad)

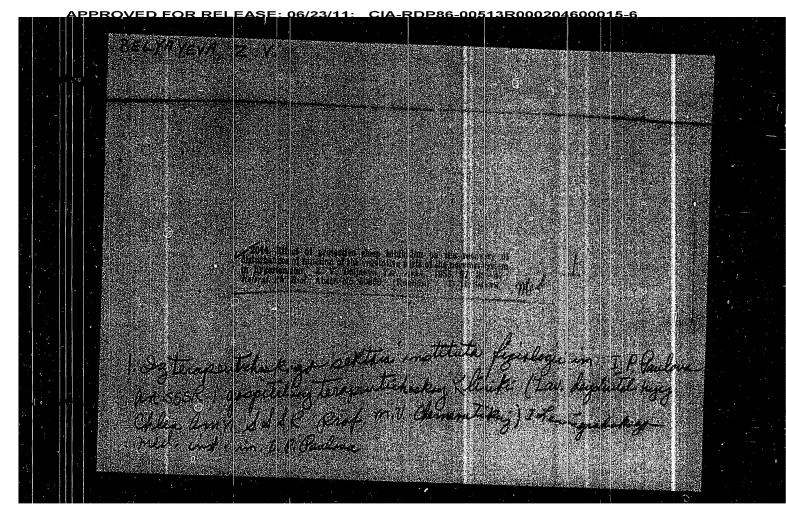
Comparative data on the theregoutic efficacy of almorthalized inhibition inhyportension and peptic ulcer. Klin. 2002. (MRRA 11:4)

1. Iz terapevticheskego sektoru Instituta fiziologii imeni I.P. Pavlova AH SSSR (zev. - deystvitel'nyy chlen AMN SSSR prof. M.V. (HYPERTEISION, ther. sleep ther. (Rus.))

(PEPTIC ULCER, ther. use hyportension & peptic ulcer (Rus.))







APPROVED FOR REL FASE: 06/23/11: CIA-RDP86-00513R000204600015-6

BEZYAYEVA, Z. V.

Reflect of protective inhibition on restoration of normal function of the autonomic nervous system in peptic ulcer. Trudy Inst. fiziol. 3:238-251 \$54. (MIRA 8:2)

1. Terapevticheskiy sektor i gospital[®] naya terapevticheskaya klinika 1-go Leningradskogo meditsinskogo insituta. Zaveduyushchiy M.V. Chernorutskiy.

(SIMEP, therapeutic use,

peptic ulcer, restoration of normal autonomic NS funct.) (PEPTIC ULCER, therapy,

sleep, restoration of normal autonomic NS funct.)
(AUTONOMIC NERVOUS SYSTEM, in various diseases,
peptic ulcer, restoration of normal funct. in sleep ther.)

1. BELYAYEVA, Z. V. 2. SSSR (600) Nervous System, Autonomic 7. Functional state of the vegetative nervous system in peptic ulcer. Terap. arkh. 24 No. 5, 1952 9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified. EENAYEVA, Zoya Sergeyvna, kand, yurid, nauk; PANKKATOV, Ivan Ferisanovich, kand, yurid, nauk; RYGALIN, A.G., red.; TARASOVA, N.M., tekhn. red.

[State guidance of collective farms during the large-scale building of the U.S.S.R.] Gosudarstvennos rukovodstvo kolkhozami v period razwernutogo stroital stva kommunizma v SSSR.

Moskva, Gos.izd-vo iurid.lit-ry, 1961. 166 p. (MRA 15:1)

(Agricultural administration)

BELYAYEVA, Zoya Sergeyevna; ZHARIKOV, Yu.G., red.; KOSAREVA, Ye.N., tekhn.red. the contemporary and the second of the secon [Legal status of organizations in which several collective farms cooperate] Pravovoe polozhenie mezhkolkhoznykh organizatsii. Moskva, Gos. izd-vo iurid. lit-ry, 1958. 92 p. (MIRA 12 (MIRA 12:2) (Collective farms)

USSR/Cultivated Plants - Fodders.

Abs Jour : Ref Zhur Biol., No 12, 1958, 53683

are obtained by means of intervarietal and interspecific intural cross-pollimation of the grass stands. -- V.V.

Koperzhinskiy

Card 2/2

М USSR/Cultivated Plants - Fodders. : Ref Zhur Biol., No 12, 1958, 53683 Abs Jour Belyayeva, Z.S., Lupashko, I.P. Author Tiist On the Methods of Working with Perennial Grasses. Title : Selektsiya i semenovodstvo, 1957, No 3, 68-70 Orig Pub In spite of the assertion of A.M. Konstantinova (Selec-Abstract tion and Seed Growing, 1957, No 1) that artificial selection cannot constitute a basic method for selecting perennial grasses, the authors point out a number of valuable varieties raised by the method of selection at the Iygev Selection Station, Krasnoufim Station and at the Institute for Agriculture of the Southeast. Abroad, both mass and individual selection are also used widely in the selection of the perennial grasses. The majority of USA grass varieties is the result of natural selection from local grass populations. The selected varietics Card 1/2

RELIATIVA, 2. J. "Certain Biological Characteristics of the Development of Dissipe-Gro Red Clover in Connection With the Gutting of the Top Stalks." Send a r Sei, All-Union Sei Res Inst of Podder, Loscow, 1953. (RZhBiel, No 1, Sep 54) SO: Sum 432, 20 Par 55

TOKMALAYEV, S.F., dotsent [decessed]; KUZHELEV, N.S., dotsent; OSTROVITIANOV, K.V., akademik; ALHKSEYEV, A.M., dotsent; KUDROV, V.M.;
LEGNETTEV, L.A. Frinimeli uchestiye: BELLATEVA, Z.N., kand.ekon.
nsuk; MRACHKOYSKATA, I.M., kand.ekonom.nsuk; RYNDIMA. M.N.,
kend.ekonom.nsuk; SHIRINSKIY, I.D., kand.ekonom.nsuk; red.;
ITMASHEV, A.I., kand.ekonom.nsuk; PROKOPIEV, S.F., red.; NAUMOV,
K.M., tekhn.red.

[Capitalist production method] Kapitalisticheskii sposob proizvodatva. Moskva. Pt.2. 1960. 357 p. (MIRA 13:10)

1. Kommunistichesksya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola. 2. Chlen-korrespondent akademii nsuk SSSR (for
Leont'yev).

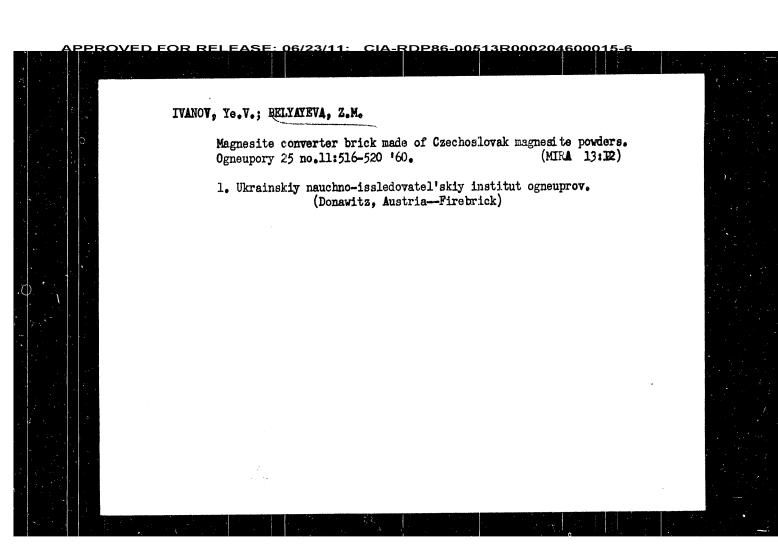
(Economics)

MOZIOV, Genrikh Abramovich, prof.; SHIRINSKIY, Ivan Dmitriyevich, dotsent; KORAKOV, Dmitriy Makeimovich, prof.; MCRCZOV, Aleksandr Vesil'yevich, dotsent; BELYATKWA, Zoya Hikolayevna, kand.ekonom.nauk; KORYAGIN, A.G., red.; PROKOF'TEV, S.P., red.; NAUMOV, K.M., tekhn.red.

[Capitalist methods of production] Kapitalisticheskii sposob proisvodstva. Moskva, Izd-vo VPSh i ACN pri Tek KPSS, Pt.1. 1959. 237 p. (MIRA 12:6)

1. Kommunisticheskays partiya Sovetskogo Soyuza, Vysshaya partiynaya shkola. Kafedra politicheskoy ekonomii. (Rconomics) (Capitalism)

CIA-RDP86-00513R000204600015-IVANOV, Ye.V.; RAKINA, V.P.; DOLGINA, G.Z.; BELYAYEVA, Z.M. Service of refractories in converters with top oxygen low and improvement of the procedure for the production of converter bricks. Sbor.nauch. trud. UNIIO no.5:210-233 '61. (MIRA 15:12) (Converters) (Firebrick)



APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600015-6

80851

Magnesite Bricks With Spinel Binding and an Increased Temperature of Deformation Under Load

S/131/60/000/06/09/012 B015/B007

with spinel binding at the opytnyy zavod Ukrainskogo nauchno-issledovatel'skogo instituta ogneuporov (Testing Plant of the Ukrainian Scientific
Research Institute of Fireproof Materials), the properties of which are
given in Table 2. At the Zaporozhskiy ogneupornyy zavod (Zaporozh'ye
Plant of Refractories) a further batch of magnesite bricks was produced
with spinel binding. The granulation and moisture of the pastes are shown
in Table 3. The scheme for inserting the bricks into the furnace is shown
in Fig. 1, and the properties of the burned bricks in Table 4. Fig. 2
shows the fettling of an oxygen converter of the Krivorozhskiy metallurgicheskiy zavod (Krivoy Rog Metallurgical Plant). In conclusion, the authors
state that a method of producing magnesite bricks of high density, temperature of deformation under load, and thermal stability has been worked
out. The use of these bricks for the fettling of basic steel-melting converters is described as inexpedient under the existing technological conditions. There are 2 figures, 4 tables, and 4 Soviet references.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (Ukrainian Scientific Research Institute of Fireproof

Card 2/2

80851

S/131/60/000/06/09/012 B015/B007

15.2210

AUTHORS:

Ivanov, Ye. V., Minskiy, Ya. M., Belyayeva, Z. M.

TITLE:

Magnesite Bricks With Spinel Binding and an Increased

Temperature of Deformation Under Load

PERIODICAL:

Ogneupory, 1960, No. 6, pp. 281-285

TEXT: The work carried out by the Ukrainskiy institut ogneuporov (Ukrainian Institute of Fireproof Materials) showed it to be possible to increase the temperature of deformation under load by means of additions increase the temperature of deformation under load by means of additions and/or the use of magnesite with an SiO₂ content of 3% and a CaO content and/or the use of magnesite with an SiO₂ content of 3% and a CaO content

of 2%. However, the products made from such magnesite have a low thermal stability. By the addition of alumina, spinel binding occurs during burning, whereby the thermal stability of the magnesite bricks is increased. For the purpose of producing these bricks, alumina with a grain size < 2µ was used. The samples obtained from this paste were burned at a temperature of 1,650°C. Their properties are given in Table 1. Petrographical investigations were carried out by L. A. Kuz'mina (Ref. 1). For the purpose of checking these laboratory results, a batch of magnesite bricks was produced

Card 1/2

Deformation of Magnesite Products Under Streen

pointed cut that it would be useful to semufacture at a factory one charge of ampecite products of various types of raw material for the purpose of testing them in the heat aggregates of the iron-setallur, ical industry. There are 5 tables and 5 Soviet references.

ASSOCIATION: Ukrainskiy nauchno-isoledovatel'skiy institut ogseuperev (Ukrainian Scientific Research Institute of Refractories)

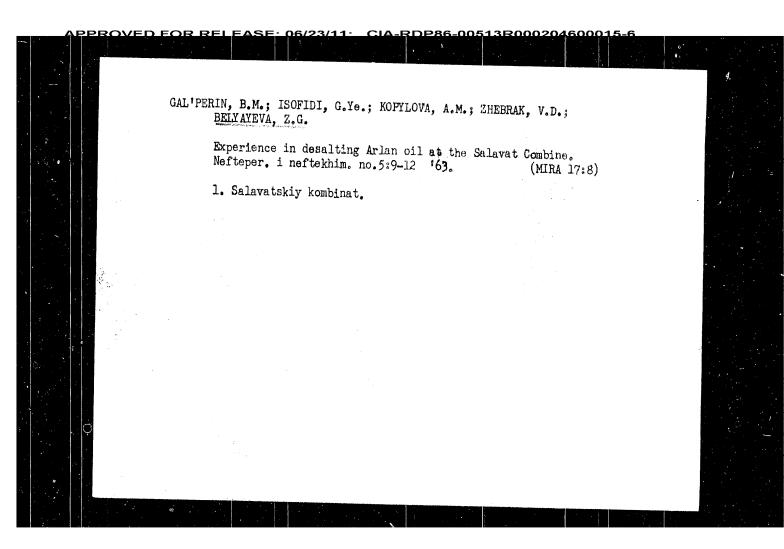
Deformation of Magnesite Products Under Strees

304/131-58-12-6/15

grapher of the UNIIO (Ref 1). To check the laboratory results products were manufactured at the UNIIO research plant the properties of which in burnt state are given in table 2. Tests with the powder of the "Magnezit" factory were carried out in the UNIIO research plant to investigate the possibility of increasing the temperature at which the deformation under stress of magnesite products begins. The grain composition of the mass is given in table 3. The test bricks were burnt at 16500 and exposed to that temperature for 6 hours. The properties of the burnt products are presented in table 4. The properties of the magnesite bricks manufactured at the "Magnezit" factory and the particularly dense test bricks produced at the UNIIO factory according to the procedure of the works Chasov-Yarskiy imeni Ordehonikulae, are compared in table 5. Conclusions: It was demonstrated that it is possible to increase the temperature at which the deformation under stress begins , up to 1800° approximately by the use of pure magnesite powder or an addition of 1,5 2ro, to the ordinary magnesite powders, respectively. It is

Card 2/3

15(2) AUTHORS: Ivanov, Ye. V., Minckiy, Ya. B.. 507/131-50-12-6/10 Belyayeva, Z. M. TITLE: Deformation of Magnesite Products Under Stress (Deformatsiya pod nagruzkoy magnezitovykh izdeliy) PERIODICAL: Ogneupory, 1958, Nr 12, pp 558 - 561 (USSR) ABSTRACT: The quality of magnesite products is determined according to their physical and chemical data, particularly according to the temperature at which the deformation under stress starts. Berezhnoy has obtained products in his experiments with "rapnoye" magnesium oxide the deformation of which started under stress at a temperature of above 1700°. For common refractory magnesite products of the "Magnezit" factory this temperature lies between 1540 and 1560° Laboratory tests were carried out to determine the influence exercised by a 2r0, addition upon this temperature. The composition of the charge and the properties of the burnt samples are presented in table 1. The petrographical in-Card 1/3 vestigation was carried out by M. Te. Drizheruk, petroGONSALES, A.A.; KURGANOV, V.M.; AGAFONOV, A.V.; ABAYEVA, B.T.; POLETAYEV, V.B.; VIV'YER, A.S.; RUDOVICH, M.A.; BELYAYEVA, Z.G.; RUTMAN, G.I. Results of redesigning an industrial catalytic-cracking device. Nefteper. i neftekhim. no.9:6-10 '63. (MIRA 17:8) 1. Salavatskiy kombinat i Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti.



PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600015-6

ACCESSION NR: AT4043091

(0-42.5%, cold rolling), process duration (0-20 min.) and Al content in the electrolyte (0-80 g/1) to surface finish, as well as relating Al content in the electrolyte (0-3.0g per 100 ml) and duration (3-20 min.) to rate of stripping. It was found that the effectiveness of an electrolyte diminishes as the concentration of Al salts increses. Loss of polishing capacity is related primarily to rapid attrition of nitric acid, hence the latter was replenished periodically (5 ml/100 ml). Variation of the Al solution potential was continuously recorded and was related to finish quality, and the appearance of oscillations in the potentiometer record was found to indicate exhaustion of the solution. "O. A. Sukhoretskiy took part in the experimental work." The results demonstrate clearly the presence and significance of oxide films in these processes. Orig. art. has: 5 graphs and 1 table.

ASSOCIATION: none,

SUBMITTED: 13Mar64

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 004

 $Card^{2/2}$

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600015-6

ACCESSION NR: AT4043091

S/0000/64/000/000/0497/0504

AUTHOR: Dmitriyev, V. A., Belyayeva, Z. G.

TITLE: Chemical polishing of aluminum and alloy VD-17

SOURCE: Mezhvuzovskaya konferentsiya po anodnoy zashchite metallov ot korrozii. 1st, Kazan, 1961. Anodnaya zashchita metallov (Anodic protection of metals); doklady* konferentsii. Moscow, Izd-vo Mashinostroyeniye, 1964, 497-504

TOPIC TAGS: aluminum, alloy VD-17, aluminum electrolytic polishing, electrolyte composition effect, metal property effect, electrolytic polish quality, solution potential variation, nitric acid replenishment, oxide film, electrolytic polishing, surface finish

ABSTRACT: Sheet aluminum A1M and alloy VD-17 were polished in an electrolyte (96-98C) containing 780 ml phosphoric acid (sp. gr. 1.72), 70 ml sulfuric acid (sp. gr. 1.82), ml nitric acid (sp. gr. 1.51) and 10 g copper nitrate in order to evaluate the effects of electrolyte composition, process conditions and properties of the polished metal on finish quality. The latter was evaluated from surface brightness compared to that of a silver mirror (100%). Results are presented on several graphs relating deformation level

Card 1/2

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600015-6</u>

SOV/58-59-8-17759

The Effect of Ionizing Radiation on the Properties of the Copolymers of Vinyl Chloride and Vinylidene Chloride

effect. In conformity with this, the curves of the coefficient of permeability versus the dose have two extrema: a minimum and a maximum. The disorganization of the material also shows up abruptly in the elastic properties of the copolymers: after irradiation the typical diagrams of stretching, consisting of two linear sections, the second of which is horizontal, are superseded by the S-shaped curves characteristic of amorphous materials. Full conformity is established between the character of the variations of the gas-permeability of copolymers and their mechanical properties under the influence of radiation. (In-t fiz. khimii AN SSSR).

The author's résumé

Card 2/2

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600015-6

sov/58-59-8-17759

Translated from: Referativnyy Zhurnal Fizika, 1959, Nr 8, p 112 (USSR)

AUTHORS: Kargin, V.A., Taubman, A.B., Yanova, L.P., Belyayeva, Z.F.

TITLE: The Effect of Ionizing Radiation on the Properties of the Copolymers of

Vinyl Chloride and Vinylidene Chloride

PERIODICAL: V sb.: Deystviye ioniziruyushchikh izlucheniy na neorgan, i organ,

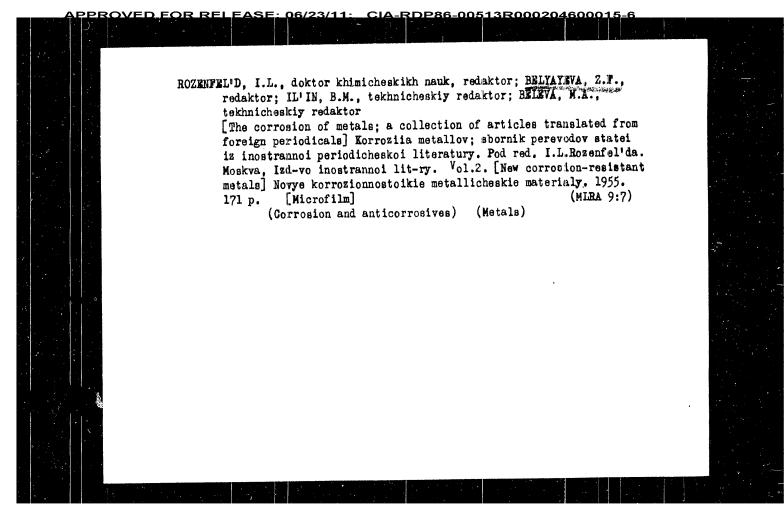
sistemy. Moscow, AN SSSR, 1958, pp. 325-332

ABSTRACT: The effect of radiation on the gas-permeability and mechanical properties of the copolymers of vinyl chloride and vinylidene chloride is investigated,

and it is shown that the variations of these properties are closely connected with the variation during irradiation of the mixed amorphous-crystalline state of the copolymers and their microstructure. The presence in the copolymers of a crystallizing component which heightens microdefectiveness, causes an augmentation of their gas-permeability in proportion to the increase in the content of this component. Irradiation also

portion to the increase in the content of this component. Irradiation also leads to an intensification of gas-permeability, but the melting of the crystalline component which it causes and the disorganization of the

Card 1/2 material in a certain region of small doses, can lead to the opposite



BELYAYEVA Z.F.

SOBOLEV, R.A., redaktor; MODILEVSKIY, I.Ya., retsenzent; SHTETNER, L.M., retsenzent. ABRAMOV, S.A., retsenzent; REMAYEVA, Z.F., redaktor; MOLODOV, I.V., redaktor; VILENEVA, A.V., teanmanessiy redaktor

[The knit goods industry abroad; collection farticles translated from foreign periodical? Trilcotazhnaia promyshlennost za rubezhom; sbornik perevodov statel iz inostrannoi periodicheskoi literatury. Moskva, Izd-vo inostrannoi lit-ry, 1954. 179 p. (MIRA 8:4)

(Knit goods industry)

TEVSTRATOVA, V.F., kandidat tekhnicheskikh nauk, redaktor; BELYAYE-VA, Z.F., redaktor; VILLENEVA, A.V., tekhnicheskiy redaktor;

[Crude and vulcanized rubber (problems of general technology and rubber reclamation); collection of translated articles from foreign journals] Kauchuki rezina; voprosy obheni tekhnologii i regeneratsii reziny. Sbornik perevodov statei iz incstrannoi periodicheskoi lit-ry. Moskva, Izd-vo inostrannoi lit-ry, 1954.

158 p. (MLRA 8:1)

(Embber industry)

LITVINOVA, T.P.; LYUKSHENKOV, A.G. [deceased]; Prinimali uchastiye: YAITSKAYA,
V.Ya., studenta; ZUBOVA, T.F., studentka; DEMISOVA, I.D., studentka;
MIRZOTEVA, Yo.Kh., studentka; OUDLENGKAYA, L.V., studentka; BELYAYEVA,
Z.D., studentka; BORDOVICH, Kh.D., studentka; OKUMEVA, N.F., studentka

Determination of the amount of water retainted in plant raw material
in preparing infusions and decections. Apt. delo 10 no.5:8-11 S-0
'661.

1. Farmatsevticheskiy fakul'tet I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(BOTANY, MEDICAL) (WATER)
(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

Kinetics of Precipitation Hardening of Annealed Commercial Iron

77.5% 307/129-60**-**2-1/13

and dissolving of phases in the anneated from occur more intensely at the grain boundaries (in the intercrystalline layer). There are 2 figures; 4 tables; and 11 references, 3 Soviet, 5 German, 3 U.S. The U.S. references are: Radavich, J., Mert, C., Journ. Applied Physics, Nr 4, Vol 22, 1951; Davenport, E., Bain, E., Trans. Am. Soc. Metals, Vol 23, 1935; Stanley, I., Journ. of Metals, Nr 10, 1949.

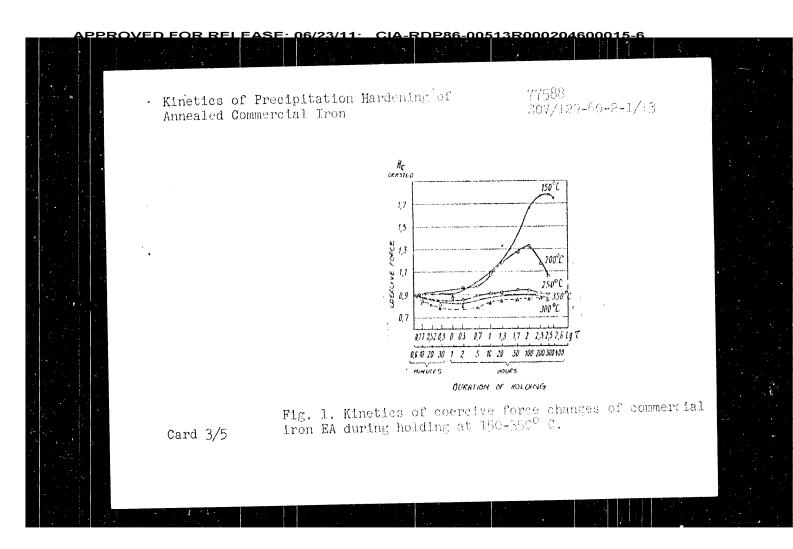
Card 5/5

Kinetics of Precipitation Hardening of Annealed Commercial Iron

77588 SOV/129-60-2-1/13

low rates to room temperature. After holding at room temperature for 20,000 hr or at 150° C for 300 hr, the coercive force is almost double that of the annealed iron. (2) Heating of commercial iron at temperatures up to 350° C decreases its coercive force to the initial value due to coagulation of particles of precipitating phases. However, at the same time, especially during prolonged heating, the reverse dissolving of phases occurs which results in a considerable increase of coercive force during reheating at 150° C (50 hr). Short-time heating at 150-350° C of parts which were preliminarily held at room temperature for 20,000 hr causes reverse process, and reheating at 150°C (50 hr) also increases the coercive force considerably. (3) Heating at 250°C and holding for hr stabilizes the annealed iron since only a little reverse dissolving of phases occurs. The value of coercive force will approximately equal that of iron after annealing. However, it is advisable to determine the conditions of stabilization treatment separately for each batch of iron. (4) The processes of precipitation

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Kinetics of Precipitation Hardening of

Annealed Commercial Iron

77588 SOV/129-60-2-1/13

at elevated temperatures. After reviewing German and U.S. literature on the subject, the authors describe their investigation of commercial Iron EA containing 0.036% C; 0.08% Mn; 0.026% S; 0.00% P; 0.2% Cu; traces of St; 0.037% 0; 0.0008% H; 0.0036% N: Telephone relay armatures were prepared from 1.8-mm-thick sheet, annealed in sealed boxes at 960°C for 3 hr. cooled with the furnace to 700°C (cooling rate 40°C/hr), and eventually airccoled. Kinetics of precipitation hardening were studied on annealed armature held in thermostats at $150-350^{\circ}$ C (15° C) with 50° C intervals. Holding time was varied from 10 min to 400 hr, and coercive force was measured for each holding period (see Fig. 1). As seen from Fig. 1, the maximum coercive force (1.78 cersted) was double that of the annealed iron, after heating at 150° C for 300 hr. As a result of this study, the following conclusions have been made: (1) Annealed rimmed commercial iron is subjected to precipitation hardening even after cooling at

Card 2/5

BELYAYEVA, YU).

18.7500

77588 507/129-60-2-1/13

AUTHORS:

Mes'kin, V. S. (Doctor of Technical Sciences, Professor), Mishkevich, R. T. (Candidate of Technical Sciences), Alalykina, A. A., Byelyayeva, Yu. I. (Engineers)

TITLE:

Kinetics of Precipitation Hardening of Annealed Commer-

cial Iron

PERIODICAL:

Metallovedeniye i termicheskaya obrabotka metallov, 1960,

Nr 2, pp 2-6 (USSR)

ABSTRACT:

Precipitation hardening or "thermal aging" of rimmed commercial iron has an adverse influence on several of its properties. In the parts of magnetic circuits it causes an intolerable increase of coercive force which is often observed during assembly and tests. Unfavorable distribution of precipitating phases (mainly carbides and nitrides) along grain boundaries causes considerable brittleness. The above phenomenon is particularly

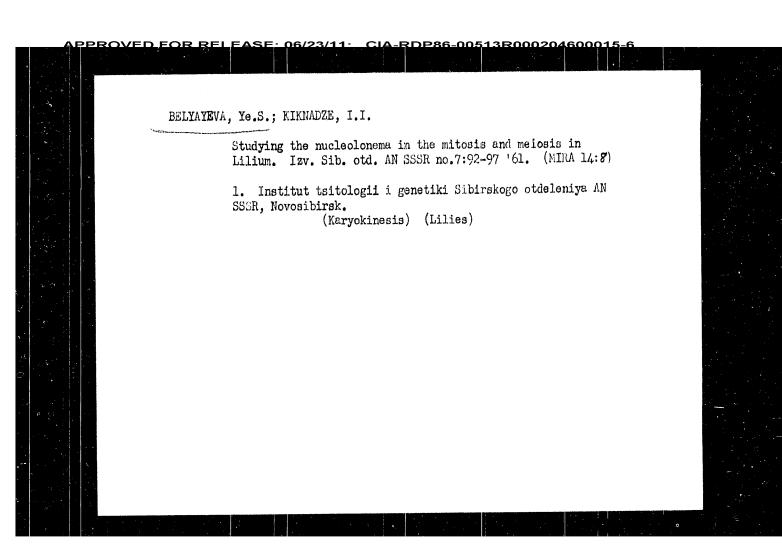
Card 1/5

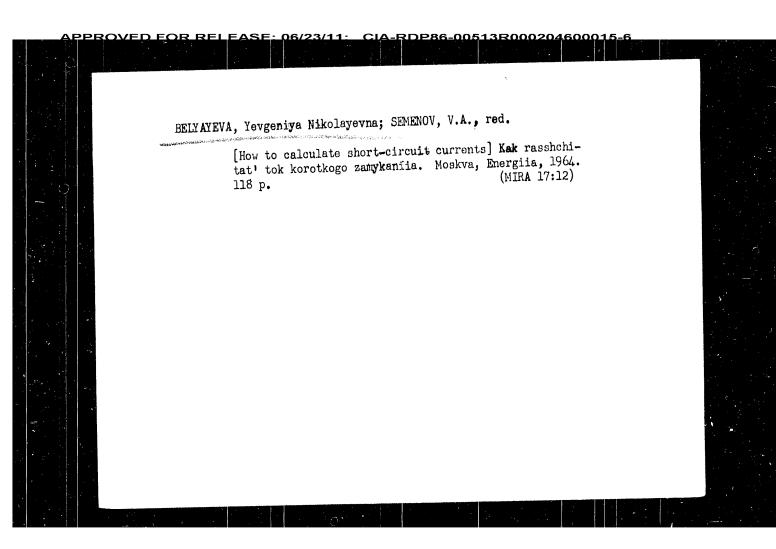
undesirable if the parts are intended for performance

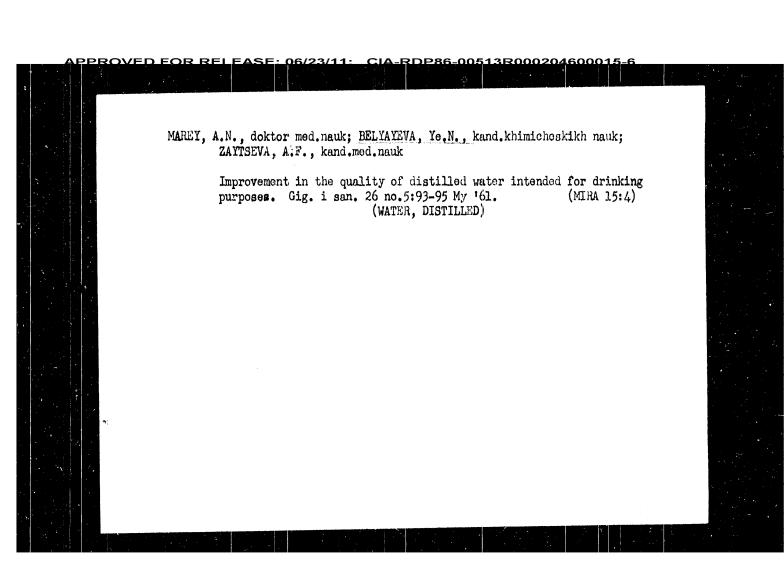
BRITATEVA, Yo.S. Experimental study of the formation of nucleolus in plant cells. Izv. SO AN SSSR no.8. Ser. biol.-med. nauk nc.2:156-159 '65. (MIRA 18:9) 1. Nevosibirskiy institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR.

BELYAYEVA, Ye.S.; VOLKOVA, L.V. Formation of the ruelectes in plant celds. Toltologies. 6 no.3: 286-290 My-Je 164. (MIRA 18:9) 1. laboratoriya obshchey tsitologii inspituta tsitologii i genetiki Sibirskogo otacleriya AN SSCH. Novosibirsk.

KIRBADZE, 1.1., BELTAYOVI, You To Figure ture of the neclectus in early embryogony, Cenciska no.3732-14 S 165. (923-3823) Institut baitologii i genetiki (Ibirakepa oldelesiya 18 N. Nevenibirak, Subsided Pry 15, 1865.







Collection of Radio-Chemical and Dosimetric Methods

IV. Natural Radioactive Calcium in Foodstuffs

V. Symbols and Abbreviations

AVAITABLE: Library of Congress

Card 11/11

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